

## Claims

- [c1] 1.A method for displaying axial images, the method comprising:  
receiving a reconstructed axial image, wherein said reconstructed axial image includes a pre-selected number of completed reconstructed slices, a slice thickness and an interval value;  
creating a reformatted axial image in response to said reconstructed axial image, wherein said creating includes:  
modifying said slice thickness in response to user slice thickness input; and  
updating said interval value in response to user interval value input; and  
displaying said reformatted axial image in response to user display input.
- [c2] 2.The method of claim 1 wherein said user interval value input includes an explicit value for said interval value.
- [c3] 3.The method of claim 1 wherein said user slice thickness input includes an explicit value for said slice thickness.
- [c4] 4.The method of claim 1 further including:  
receiving at least one additional said completed reconstructed slice; and  
displaying said reformatted axial image in response to said user display input and to said additional completed reconstructed slice.
- [c5] 5.The method of claim 4 wherein said receiving at least one additional said completed reconstructed slice is performed in response to a user selecting a resume acquire button.
- [c6] 6.The method of claim 1 wherein said receiving, said creating and said displaying are performed in an interactive mode.
- [c7] 7.The method of claim 1 wherein said user display input includes a render option selection.
- [c8] 8.The method of claim 1 wherein said user display input includes a navigation mode selection.
- [c9] 9.The method of claim 1 wherein said user display input includes an annotation

level selection.

- [c10] 10.The method of claim 1 wherein said user display input includes an image location selection.
- [c11] 11.The method of claim 1 wherein said user display input includes a resize selection.
- [c12] 12.The method of claim 1 wherein said user display input includes a measurement selection.
- [c13] 13.The method of claim 1 wherein said user display input includes an instruction to save said reformatted axial image in a reformat format.
- [c14] 14.The method of claim 1 wherein said user display input includes an instruction to save a current view of said reformatted axial image in a secondary capture image format.
- [c15] 15.The method of claim 1 wherein said user slice thickness input includes an instruction to change said slice thickness by a pre-selected value.
- [c16] 16.The method of claim 1 wherein said user slice thickness input includes an instruction to set said slice thickness to a pre-selected value.
- [c17] 17.The method of claim 1 wherein said user interval value input includes an instruction to change said interval value by a pre-selected value.
- [c18] 18.The method of claim 1 wherein said user interval value input includes an instruction to set said interval value to a pre-selected value.
- [c19] 19.A method for displaying axial images, the method comprising:  
receiving a reconstructed axial image, wherein said reconstructed axial image includes a slice thickness and an interval value;  
creating a reformatted axial image in response to said reconstructed axial image, wherein said creating includes:  
modifying said slice thickness in response to user slice thickness input; and  
updating said interval value in response to user interval value input wherein said user interval value input includes an explicit value for said interval value; and

displaying said reformatted axial image in response to user display input.

[c20]

20.A computer program product for displaying axial images, the product comprising:

a storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for:

receiving a reconstructed axial image, wherein said reconstructed axial image includes a pre-selected number of completed reconstructed slices, a slice thickness and an interval value;

creating a reformatted axial image in response to said reconstructed axial image, wherein said creating includes:

modifying said slice thickness in response to user slice thickness input; and

updating said interval value in response to user interval value input; and

displaying said reformatted axial image in response to user display input.

[c21]

21.A computer program product for displaying axial images, the product comprising:

a storage medium readable by a processing circuit and storing instructions for execution by the processing circuit for:

receiving a reconstructed axial image, wherein said reconstructed axial image includes a slice thickness and an interval value;

creating a reformatted axial image in response to said reconstructed axial image, wherein said creating includes:

modifying said slice thickness in response to user slice thickness input; and

updating said interval value in response to user interval value input wherein said user interval value input includes an explicit value for said interval value; and

displaying said reformatted axial image in response to user display input.

[c22]

22.A system for displaying axial images, the system comprising:

an image database, wherein said image database includes a reconstructed axial image;

a workstation;

a viewing processor in communication with said image database and said workstation and including viewing application software to implement the

method comprising:

receiving said reconstructed axial image, wherein said reconstructed axial image includes a pre-selected number of completed reconstructed slices, a slice thickness and an interval value;

creating a reformatted axial image in response to user input and to said reconstructed axial image, wherein said creating includes:

modifying said slice thickness in response to user slice thickness input; and

updating said interval value in response to user interval value input; and

displaying said reformatted axial image on said workstation in response to user display input.

- [c23] 23.The system of claim 22 wherein said user interval value input includes an explicit value for said interval value.
- [c24] 24.The system of claim 22 wherein said user slice thickness input includes an explicit value for said slice thickness.
- [c25] 25.The system of claim 22 wherein said viewing application software includes instructions to implement a method further comprising:  
receiving at least one additional said completed reconstructed slice; and  
displaying said reformatted axial image on said workstation in response to said user display input and to said additional completed reconstructed slice.
- [c26] 26.The system of claim 22 wherein said viewing processor is in communication with said image database and said workstation via a network.
- [c27] 27.The system of claim 26 wherein said network is the Internet.
- [c28] 28.The system of claim 22 wherein said workstation is in communication with said viewing processor via a network.
- [c29] 29.The system of claim 28 wherein said network is the Internet.
- [c30] 30.The system of claim 22 further comprising an image station in communication with said image database.
- [c31] 31.The system of claim 30 wherein said image station is in communication with

said image database via a network.

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